

!!NA\_SEQUENCE 1.0

ID AAD06454 standard; cDNA; 890 BP.

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AC AAD06454;

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DT 10-AUG-2001 (first entry)

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DE Arabidopsis thaliana transcription factor G545 cDNA.

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KW Transcription factor; environmental stress tolerance; gene therapy;  
KW plant structure; plant development; ss.

XX

OS Arabidopsis thaliana.

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FH Key Location/Qualifiers

FT CDS 55. .738

FT /\*tag= a .

FT /product= "Arabidopsis thaliana transcription factor"

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PN WO200136598-A1.

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PD 25-MAY-2001.

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PF 14-NOV-2000; 2000WO-US031458.

XX

PR 17-NOV-1999; 99US-0166228P.

PR 17-APR-2000; 2000US-0197899P.

PR 22-AUG-2000; 2000US-0227439P.

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PA (KEDD/) KEDDIE J.

XX

PI Pineda O, Yu G, Creelman R, Riechmann JL, Heard J, Ratcliffe O;

PI Reuber L, Keddie J;

XX

DR WPI; 2001-336000/35.

DR P-PSDB; AAE02474.

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PT Nucleic acids encoding plant transcription factor polypeptides, useful  
PT for altering the environmental stress tolerance characteristics of  
PT plants.

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PS Claim 4; Page 77-78; 116pp; English.

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CC The present sequence is a cDNA encoding Arabidopsis thaliana

CC transcription factor. This novel transcription factor is useful for

CC modifying a plant's phenotype in desirable ways, such as modifying a

CC plants environmental stress. The transcription factor is encoded by

CC environmental stress tolerance gene derived from Arabidopsis thaliana.

CC The transcription factors and the genes encoding them are used to alter

CC the structure and developmental characteristics of plants such as  
CC soybean, wheat, corn, potato, cotton, rice, oilseed rape, sunflower,  
CC alfalfa, sugarcane, turf, banana, blackberry, blueberry, strawberry,  
CC raspberry, cantaloupe, carrot, cauliflower, coffee, onion, cucumber,  
CC eggplant, grapes, honey dew, lettuce, mango, melon, papaya, peas,  
CC peppers, pineapple, spinach, squash, sweet corn, tobacco, tomato,  
CC watermelon, rosaceous fruits and/or vegetable brassicas. These sequences  
CC are also used for modifying traits associated with environmental stress  
CC tolerance, such as freezing, chilling, heat, drought, water saturation,  
CC salt, photoconditions, radiation and ozone. The transcription factors are  
CC used in gene therapy

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SQ Sequence 890 BP; 239 A; 235 C; 186 G; 230 T; 0 U; 0 Other;

AAD06454 Length: 890 November 20, 2007 12:27 Type: N Check: 7278 ..

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1  GCAACCTTCA AACTAAACT CGAGAGACAA GAAATCCTCA GAATCTTTAA
51  CTTAATGGCG CTCGAGGCTC TTACATCACC AAGATTAGCT TCTCCGATTC
101 CTCCTTTGTT CGAAGATTCT TCAGTCTTCC ATGGAGTCGA GCACTGGACA
151 AAGGGTAAGC GATCTAAGAG ATCAAGATCC GATTTCACC ACCAAAACCT
201 CACTGAGGAA GAGTATCTAG CTTTTTGCCT CATGCTTCTC GCTCGCGACA
251 ACCGTCAGCC TCCTCCTCCT CCGGCGGTGG AGAAGTTGAG CTACAAGTGT
301 AGCGTCTGCG ACAAGACGTT CTCTTCTTAC CAAGCTCTCG GTGGTCACAA
351 GGCAAGCCAC CGTAAGAACT TATCACAGAC TCTCTCCGGC GGAGGAGATG
401 ATCATTCAAC CTCGTCGGCG ACAACCACAT CCGCCGTGAC TACTGGAAGT
451 GGGAAATCAC ACGTTTGCAC CATCTGTAAC AAGTCTTTTC CTTCCGGTCA
501 AGCTCTCGGC GGACACAAGC GGTGCCACTA CGAAGGAAAC AACACATCA
551 AACTAGTAG CGTGCCAAC TCCGAAGGTG CGGGGTCCAC TAGCCACGTT
601 AGCAGTAGCC ACCGTGGGTT TGACCTCAAC ATCCCTCCGA TCCCTGAATT
651 CTCGATGGTC AACGGAGACG ACGAAGTCAT GAGCCCTATG CCGGCGAAGA
701 AGCCTCGGTT TGACTTTCCG GTCAAAC TTC AACTTTAAGG AAATTTACTT
751 AGACGATAAG ATTTGTTTTG TATACTGTTG AGAGTTGTGT AGGAATTTGT
801 TGACTGTACA TACCAAATTG GACTTTGACT GATTCCAATT CTTCTTGTTT
851 TTTCATTTTA AAAATTATTA AACCGATTCT TTACCACAAA
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